

CLAIMS

1. A decolorized yeast cell wall fraction whose yellow index (YI) of the liquid measured by a reflective method with the use of SE-2000 of Nippon Denshoku (illumination C, field of view 2 degree) is 13 or less.
2. The decolorized yeast cell wall fraction according to Claim 1, wherein the decolorized yeast cell wall fraction has a property to form continuous film whose oxygen permeability is $250 \text{ ml/m}^2 \cdot \text{d} \cdot \text{MPa}$ or less at a humidity of 60% RH, when 5% slurry (weight ratio) of the decolorized yeast cell wall fraction is casted using a baker applicator, on a oriented-polypropylene film Senesi-POP (Daicel Chemical Industries; thickness of film membrane 0.02 mm), dried for 45 min in an oven at 60°C to make a casting film (thickness of film membrane approximately 0.015 mm).
3. The decolorized yeast cell wall fraction according to Claim 1 or 2, wherein the disintegration time of the film in pure water is within 60 min, when 5% slurry (weight ratio) of the decolorized yeast cell wall is dried for 2 hours at 60°C, in a circular container (diameter of 60 mm) to make a casting film (thickness of film membrane: approximately 0.1 mm).
4. The decolorized yeast cell wall fraction according to any one of Claims 1 to 3, wherein the fraction is prepared by decolorizing cell residue which is obtained by removing internal soluble cell components from enzyme-treated yeast, or cell residue which is obtained by further treating the cell residue

with acid solution, and removing acid solution-soluble components.

5. A method for producing the decolorized yeast cell wall fraction according to any one of Claims 1 to 4, wherein the fraction is prepared by decolorizing cell residue which is obtained by removing internal soluble cell components from enzyme-treated yeast, or cell residue which is obtained by further treating the cell residue with acid solution, and removing acid solution-soluble components by using a decolorizing agent.

6. The method for producing the decolorized yeast cell wall fraction according to Claim 5, wherein the decolorizing treatment by using a decolorizing agent is a decolorizing treatment with hydrogen peroxide and ozone.

7. A coating agent whose primary component is the decolorized yeast cell wall fraction according to any one of Claims 1 to 4.